

SHIP NO 782 M. V. "SURIGAO" MIDSHIP SECTION

STEEL SINGLE SCREW MOTOR VESSEL

DIMENSIONS:- 180'-10 1/2" O.A. x 170'-0" B.P. x 29'-9" MLD x 12'-7" MLD

SCALE 1/2" ONE FOOT

(AS FITTED)

TO CLASS * 100 A.I. LLOYDS

(COASTING SERVICE PHILIPPINE ISLANDS)

AND BUILT UNDER SPECIAL SURVEY.

EQUIPMENTS

EQUIPMENT NUMBER BIG9 LETTER 'J'

2 BOWER ANCHORS 16 3/4 CWTs. EACH	STOCKLESS
1 BOWER ANCHOR 14 1/2 CWTs.	STOCKLESS
1 STREAM ANCHOR 4 3/4 CWTs.	EX-STOCK
210 FATHOMS 1 1/2" STUD CHAIN CABLE (168 CWTs.)	
60 FATHOMS 3/16" SHORT LINK CHAIN (22 CWTs.)	
75 FATHOMS 8 1/2" HEMP	(TOWLINE)
90 FATHOMS 6" HEMP	(HAWSER)
90 FATHOMS 4" HEMP	(WARP)

EQUIPMENT NUMBER

L x (B+D)	= 7196.1
FORECASTLE	21.02 x 7.25 x 3/4 = 114.3
BRIDGE	62.33 x 7.25 x 3/4 = 238.9
UPPER DECK HOUSE	7.33 x 7.25 x 3/4 = 26.6
SHADE DECK HOUSE	56.16 x 7 x 1/2 = 196.5
BRIDGE DECK HOUSE	64.83 x 7 x 3/4 = 339.6
ENGINE CASING ON SHADE DECK	58.0
	8169.0

PANTING ARRANGEMENT

FORWARD OF COLLISION BULKHEAD ONE TIE OF BEAMS ON ALTERNATE FRAMES 5' x 3/4" ANGLE STRINGER PLATE 2' x 3/4" ATTACHED TO SHELL BY SINGLE ANGLE 5' x 3/8" (2 ROW OF RIVETS) ABAFT COLLISION BULKHEAD DEEP FRAMES 79 TO 85 OF 6' x 3' x 38" BULB ANGLES WITH RIVETS SPACED 5 1/2" DIAMETER APART CENTRE TO CENTRE ONE STRINGER IN LINE WITH STRINGER IN PEAK FROM FRAME 79 TO FORE PEAK BULKHEAD 30 THICK WITH FACE BAR OF 3' x 3/4" ANGLE & ATTACHED TO SHELL BY 5' x 3/8" ANGLE LUGS

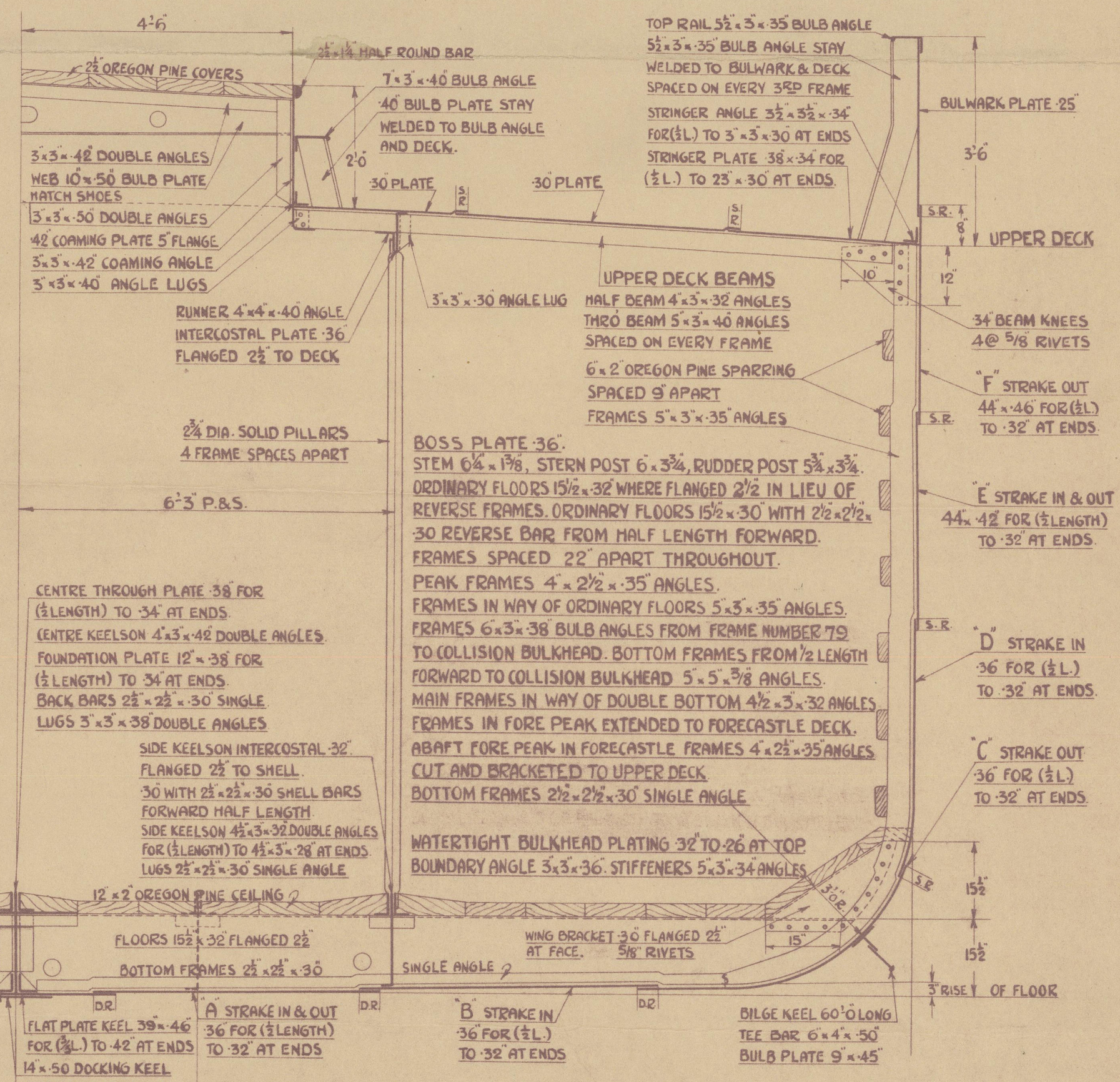
NAVIGATING BRIDGE
STRINGER PLATE 9' x 20'
TIE PLATE 20'
STR BAR 2' x 2' x 20" ANGLES
BEAMS 2' x 2' x 24" ANGLES
KNEES 9' x 9' x 24" 3 @ 1/2 RIVETS
PINE DECK 4' x 1 3/4"

L x D = 2139.16
L x (B+D) = 7196.10
L/D = 13.51
d (ORDINARY FLOORS) 11.33
d @ 1/2 L (ORDINARY FLOORS) 12.50
d @ (DOUBLE BOTTOM) 9.58
d @ (COLLISION BULKHEAD) 14.00
1/2 OF SUPERSTRUCTURE (FOCL) 12.35

HATCH END BEAMS
5' x 3' x 40" ANGLE WITH
3' x 3' x 40" REVERSE BAR

FORECASTLE DECK
STRINGER PLATE 17' x 26'
SIDE PLATING 26'
STRINGER ANGLE 3' x 3' x 26'
WATERWAY ANGLE 2' x 2' x 26'
WATERWAY 10'
BEAMS 5' x 3' x 37" ANGLES
SPACED ON EVERY FRAME
KNEES 15' x 15' x 32' 4 @ 3/4 RIVETS
TEAK DECK 5' x 2 1/2"

RIVETING NOTES
END LAPS OF SHEERSTRAKE, STRAKE BELOW AND KEEL PLATE FOR HALF LENGTH AMIDSHIPS ARE TREEBLE RIVETED
END LAPS OF SHEERSTRAKE, STRAKE BELOW AND KEEL PLATE AT ENDS, UPPER DECK STRINGER PLATE ALL FORE AND AFT, END LAPS OF SHELL PLATING FROM KEEL TO STRAKE BELOW SHEERSTRAKE, ALL FORE AND AFT, BOSS PLATE, DECK PLATING FOR HALF LENGTH AMIDSHIPS, CENTRE THROUGH PLATE ALL FORE AND AFT, CENTRE KEELSON FOUNDATION PLATES ALL FORE AND AFT, CENTRE GIRDER, MARGIN PLATE, ALL TOP PLATES IN OIL TIGHT DOUBLE BOTTOM, SEAMS OF TOP PLATING IN OIL TIGHT DOUBLE BOTTOM ARE DOUBLE RIVETED
END LAPS OF DECK PLATING AT ENDS & ALL SEAMS OF DECK PLATING ARE SINGLE RIVETED



NOTE:- THE THICKNESS OF THE 2 STRAKES OF SHELL PLATING NEXT THE KEEL IS 15' 40" FROM 1/2 LENGTH FORWARD TO THE RULE OF THE COLLISION BULKHEAD.
OWNERS REQUIREMENTS. 2 PLATES OF SHELL PLATING AT BOW FROM LIGHT WATERLINE TO HAWSE PIPES ARE 50% ABOVE RULE THICKNESS HALF ROUND CHAFING BARS FITTED AT PLATE LANDING IN WAY OF ANCHOR CABLES

SECTION THROUGH OIL TIGHT FLOOR